

DIMITROVA, Stayka

16 JUL 1952

(11)

Sofia, Kolebnitska i Sluzha, Vol. 5, no. 2, March-April 1952

1. "Electron Computers and Programming," SILGOSVET (not identified); pp 1-8.
2. "A Property of Isotactic Series of Polygons, Described in a Paper by Kaymond a Circle," See KANOLOV (not identified); pp 2-11.
3. "Semi-conductor Materials," Stayka DIMITROVA (not identified), Sofia; pp 1-21.
4. "X-ray Spectrometry," Eng. Tr. TOKOV of NISI (not identified); pp 21-25.
5. "Work Outside of Class on Mathematics in the Firm to Soviet Order," P. XU, GERMANOV; continuation from Kolebnitska i Sluzha, No. 1, 1952; translated from the Russian, not otherwise identified; pp 26-31.
6. "How to Formulate Concepts in Physics in Middle Schools," P. GILANOV (not identified), Sofia; pp 31-36.
7. "The Study of Mathematics in Czechoslovakia," M. KLAVIK, Mathematics Inspector (Insp. of Math. Inspector of Czechoslovakia), MAK (not identified), Prague; pp 35-43.
8. "Pedagogical Education through Physics Lessons," P. PROCHAZKA (not identified), Prava; pp 43-45.
9. "Reciprocal Equations," Mira N. GERTEL (not identified), Sluzbovgrad; pp 28-31.
10. "Center and Anticenter," Harold ZIMERY, Senior Scientific Collaborator (Senior Russian Scientist), Ministry of Physics (Physics Institute), Researcher Agency of Sciences (Akademiya na Nauk); pp 33-39.

DAVIDKOV, Petur, k. t. n. inzh; DMITROVA, Slavka, inzh.

Rolling of wires. Tekhnika Bulg 12 no. 9: 1-3 '63.

1. TsNIITMash.

DAVIDKOV, Petur, k.t.n., st.n.sutrudnik; DIMITROVA, Slavka, inzh., n.
sutrudnik

Production of quare small-section profiles by cold rolling.
Tekhnika Bulg 13 no.1&14-16 '64

MOLDOVANOVA, M.; DIMITROVA, St.; DECHEVA, St.

Semiconducting properties of $SrTe$. Fiz. tver. tela 6 no.12:
3717-3718 D '64 (MIRA 19:2)

1. Fizicheskiy fakul'tet Sofiyskogo universiteta, Narodnaya
Respublika Bolgariya.

DIMITROVA, Staika (Sofia)

Metallurgical methods in purifying and preparing semiconductor materials. Mat 1 fiz Bulg 7 no.5:9-17 '64.

Electrolytic measurement of contact potential difference between a metal and an electrolyte. *Izv. Dzhurzhovskaya and Isv. Bolshoy. Azovskoy univ. Sofia 48, Pt. 1, 200-16(1963/64) (German summary).* — *Math. J. vol. 1, Pt. 1, 200-16(1963/64) (German summary).* — The potential difference was measured by the relatively simple method of G. Nidzhakov (cf. *Compt. rend.* 225, 1061(1947)). Solutions of NaF, NaCl, NaBr, and NaI and salts of LiCl, NaCl, and KCl, resp., were used to det. effects of anions and cations. The results were reproducible within ± 15 mv. and were in line with Purth's theory (C.A. 25, 5073). G. Megurinau

DIMITROVA, St., inzh.; ALEKSANDROV, Ch., inzh.

There are good prospects for obtaining zinc high-grade concentrate at the state Mining Enterprise "Ustrem". Min delo 17 no.1:22-25 Ja '62.

1. Nauchnoizsledovatel'ski institut po minnoto obogatjavane, Sofia.

DIMITROVA, St., inzh.

Flotation of oxidized lead ores with complex mineral composition.
Min delo 18 no.3:17-22 '63.

1. "Niproruda."

DIMITROVA, Staika (Sofia)

Semiconducting materials. Mat i fiz Bulg 5 no.2:11-21 Hr-Ap '62

L 17791-65 EWT(1)/EWG(k)/EWT(m)/T/EWP(t)/EWP(b)/EWA(h) Feb IJP(c)/
AE(mp)-2/ASD(a)-5/AFWL/RAEW(c)/USD(gs)/ESD(t) RHW/JD/AT
ACCESSION NR: AP5000681 S/0181/64/006/012/371"/3718

AUTHOR: Moldovanova, M.; Dimitrova, St.; Decheva, St.

TITLE: Semiconductor properties of tin telluride

SOURCE: Fizika tverdogo tela, v. 16, no. 12, 1964, 3717-3718

TOPIC TAGS: tin telluride, compound semiconductor, tin telluride
single crystal, single crystal growth, semiconductor property

ABSTRACT: The study of tin telluride was prompted by certain indications of its potential semiconductor properties and by the failure of previous attempts to prepare semiconductor tin telluride. Small SnTe single crystals were synthesized from carefully purified and degassed elements. The components were vacuum melted, and SnTe was crystallized from the vapor phase. The plot of electrical conductivity versus temperature was found to be typical of a semiconductor. The temperature dependence of thermal emf and the width of the forbidden gap were also determined. Low vacuum applied before measurement was detrimental to the semiconductor properties of SnTe. Orig. art. has: 2 figures.

Card

L 1779h-65

ACCESSION NR: AP5000681

ASSOCIATION: Fizicheskiy fakul'tet Sofiyskogo universiteta, Narodnaya
Respublika Bolgariya (Physics Department, Sofia University, Bulgarian
People's Republic)

SUBMITTED: 07Jul64

ENCL: 00

SUB CODE: IC, SS

NO REF SOV: 000

OTHER: 003

ATD PRESS: 3153

ACCESSION NR: AP5003197

G/0030/65/008/001/0173/0176

24
B

AUTHOR: Moldovanova, M.; Dimitrova, S.

TITLE: Semiconductor properties of pure galena crystals

SOURCE: Physica status solidi, v. 8, no. 1, 1965, 173-176

TOPIC TAGS: semiconductor, electrical conductivity, Hall coefficient, differential thermoelectromotive force, Nernst Etingshausen coefficient, phonon drag, electron effective mass, lead sulfide crystal

ABSTRACT: The semiconductor parameters of PbS are usually hard to measure due to a large amount of impurities (W. Scanlon, Solid State Physics, vol. 9, 83, 1959). Lately, in the Rhodopi Mountains, the authors found several galena crystals of exceptional purity. The temperature dependence (between 100 and 500K) of the electrical conductivity, Hall coefficient, differential thermoelectromotive force, and Nernst-Etingshausen coefficient were investigated in these natural lead sulfide single crystals ($n \sim 3 \times 10^{15} \text{ cm}^{-3}$). The width of the forbidden energy gap at $T = 0$ was found to be 0.34 ev, the mobility ratio $\mu_n/\mu_p = 1.4$. The Hall mo-

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ACCESSION NR: AP5003197

bility in the intrinsic range varied as $T^{-3/2}$ and T^{-2} when the donors were completely ionized. A phonon drag effect occurred at low temperatures. The electron effective mass calculated from this data varied as $T^{0.2}$. The lifetime of injected carriers ranged from 20 to 60 ns and agreed with that obtained by W. Scalapin (Phys. Rev., 105, 718, 1957). Further tests are in progress concerning the density of vacancies, but preliminary results seem to indicate that this density is low. Orig. art. has: 12 formulas, 4 figures, and 1 table.

ASSOCIATION: Semiconductor laboratory, Physics faculty, Sofia university

SUBMITTED: 01 Oct 64

ENCL: 00

SUB CODE: SS, EC

NO REF SOV: 002

OTHER: 004

Card 2/2

DIMITROVA, Ts.

Boiadzhiski, M. New method for determining sulfur in pyrites, ores, and concentrates. p. 33.

MINNO DELO, Sofiya, Vol. 9, no. 11, Nov. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

BULGARIA/Chemical Technology - Processing of Solid Fossil Fuels. H-22

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 82933

Author : Plachkov, P., Dimitrova, Ts.

Inst : -

Title : The Preparation of a Metallurgical Coke from Bulgarian Coals.

Orig Pub : Tekhnika (Belg.), 1957, 6, No 6, 14-18.

Abstract : The Balkan basin coal is a perspective raw material for the preparation of coke and from which, after enrichment, a concentrate can be obtained in a 45% yield. The best mechanical properties has the coke from a coal mixture from brands PZh, K and PC with a 15% of coke fines added. The possibilities of including Bulgarian brown coal to a charge and an imported gas coal, which is difficultly available in Bulgaria are considered.

Card 1/1

BULGARIA

I. STOICHEV and Ya. DIMITROVA, Central Microbiology Laboratory of Medical College (Centralna mikrobiologichna laboratoriya pri VMI) "I.P. Pavlov", Scientific Director (nauchen rukovoditel) Prof B. YURUKOV; Plovdiv.

"Some Data About Microbial Resistance."

Sofia, Suvremenna Meditsina, Vol 14, No 5, 1963; pp 47-48.

Abstract : Authors' studies with a total of 6667 strains of 3 gram pos. and 3 gram negative species 1957-1961 show that sensitivity to 6 antibiotics is increasing in a frighteningly regular manner (actual data not shown). Discussion of methods to counteract the increased resistance: precise etiological diagnosis, rational therapy, using antibiotics in conjunction with all other supportive and therapeutic devices available.

1/1

COUNTRY : BULGARIA
CATEGORY : Cultivated plants. Medicinal. Ethereal Oil. Poisonous. M
ABS. JOUR. : RZhBiol., No. 23, 1958, No. 104897
AUTHOR : Akhershkovich, Ye., Iliyeva, S., Dimitrova, Ye.
INST. : Institute of Plant Cultivation, ~~Magyar Tud. Akad.~~
TITLE : On the Problem of the Effect of Climatic Conditions on
the Development of Lavender and Mint in the Mountains of
Samokov and Kazalyk.
ORIG. PUB. : Iav. In-ta rusteniyev"dstvo. B"lg. Akd, 1957, kn. 4,
219-224.
ABSTRACT : The experiment station in Samokov is situated at the
altitude of 1030 meters above sea level and the experiment
station in Kazanlyk - at the altitude of 380 meters above
sea level. It has been determined that both of the
regions investigated, are suitable for the cultivation
of lavender and mint. However, in Samokov, the growing
period is longer than in Kazalyk. No substantial
difference was noted in the yield of lavender essential

CARD: 1/2

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KABAIVANOV, V.; MIKHAYLOV, M.; DIMITROVA, Ye.

Study of the kinetics of polycondensation of dypnone with formaldehyde
by the polarographic method. Khim. nauka i prom. 3 no.4:542-544 '58.
(MIRA 11:10)

1. Sofiyskiy khimiko-tekhnologicheskiy institut.
(Dypnone) (Formaldehyde)

DIMITROVA, Zdravka

The new, it lives, it asserts itself. Ratsionalizatsiia 13
no. 10:10-12 '63.

GUNCHEV, Zdravko St.; RADENKOVA-KARAIVANOVA, Mariia; DIMITROVA-GUNCHEVA,
Tamara; GETSOV, Kiril Iv.

Economic effectiveness of mineral fertilizers. Godishnik biol 56
no.3:335-414 '61-'62 [publ. '63].

DIMITROVA-RUSEVA, Elena

Mutual influence of the root system and the overground part of the plant in the synthesis of biologically and economically valuable substances. Priroda Bulg 13 no.3:26-29 My. Je '64.

DIMITROVSKI, Borislav, inz. (Beograd, Gospodara Vucica 174a)

Development of short-wave and ultrashort-wave antennas.
Tehnika Jug 19 no.5; Suppl: Elektronika 13 no.5:910-915
My '64.

DIMITROVSKI, Dragan

~~APPROVED FOR RELEASE: 06/12/2000~~

A generalization of the Jordan lemma, and some of its applications. Bilten mat fiz Mak no.12:33-43 '61.

DIMITROVSKI, Dragan

A method of evaluating determined integrals of rational functions with the aid of the sums of a finite number of terms.
Bilten mat fiz Mak 13:21-31 '62 [publ.63].

DIMITROVSKI, T.

DIMITROVSKI, T. Some of problems of our fruit growing, p. 1

Vol. 7, no. 1. Jan. 1955
SOCIJALISTICKO ZEMJODELSTVO,
AGRICULTURE
Macedonia

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, vol. 14 no. 9
Sept. 1955

Country : YUGOSLAVIA

Category: Cultivated Plants. Fruit. Berries.

M

Obs Jour: RZhBiol., No 11, 1958, No 49100

Author : Dimitrovski, Toma

Inst : ~~Inst. of Horticulture~~, Skopje, Macedonia

Title : A Study of Self-Fertility in Apple Trees.

Orig Pub: Sots. zemjodelstvo, 1957, 9, No 1, 1-15

Abstract: The Institute of Horticulture in Skopje (Macedonia) studied self-fertilization in several apple varieties in the years 1952-1954. Weak self-fertilization is seen in the varieties: London Pippin, Golden Parnen, Boskoop, Yellow Delfleur, Delicious, Jonathan, Titovka, Canadian Rennet, Rennet Daurmann, Gravenstein, Dohnapfel,

Card : 1/2

Country : YUGOSLAVIA

Category: Cultivated Plants. Fruit. Berries.

M

Abs Jour: RZhBiol., No 11, 1958, No 49100

Sommerer, Steirischer Maschanser, Alexander, Red Calville and French Gray Rennet. Pronounced self-fertilization was shown by Dorovinka, Kolarachka, Nizalka, Champagne Rennet, Ontario, Winesap, W.isser Klarapfel, Pashala and Karapasha. A strong self-fertilization was manifested by Dudinka, Rome Beauty, Yellow Newton, Kasseler Rennet and Datulenka. In several years the varieties Canadian Rennet, Gra-venstein and French Gray Rennet showed a heavy self-fertilization. This feature, however, was subject to appreciable changes under the influence of the annual conditions. -- I.K. Fortunatov

Card : 2/2

M-154

DIMITROVSKI, T. ; MATOV, K. ; SLOVIC, D.

Measures for the improvement fo fruit culture in Mecedonia. p. 3.
(Socijalisticko zemjodelstvo, Vol. 9, No. 2, Feb. 1957, Skopje, Yugslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

DIMITROVSKI, T.

The problem of technical plant terminology in our country. .p. 46.
(Socijalisticko zemjodelstvo, Vol. 9, No. 3, Mar. 1957, Skopje, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

PETROW, A.; DIMITROW, I. (Sofia)

Pathogenesis, therapy and prevention of thrombophlebitis in surgery.
Polski przegl. chir. 33 no.7/9:1056-1059 '61.
(SURGERY OPERATIVE compl) (THROMBOPHLEBITIS)

GOLDENBERG, N.; CASSETTI, M.; BLUM, M.; DIMITRU, I.; COVIC, Maria;
MARCULESCU, Cristina; ABABEI, Viorica

Ionograms of normal and pathological gastric juices. Stud.
cercet. med. intern. 5 no.5:513-525 '64.

1. Clinica medicala, Spitalul "C.I. Parhon" (for Goldenberg,
Gasetti, Blum, Dimitriu, Covic). 2. Laboratorul de biochimie,
Spitalul "C.I. Parhon" (for Marculescu, Ababei).

DIMITRUK, Ya.D., dots. (Stalino, Donbass, bul'var Pushkina, d.5, kv.5)

One-row seromuscular suture in gastric resection [with summary
in English], Vest.khir. 80 no.1:95-97 Ja '58. (MIRA 11:4)

1. Iz kliniki obshchey khirurgii (zav. - prof. A.I.Chirurgin)
Stalinskogo meditsinskogo instituta (Donbass)
(GASTRECTOMY in anastomosis
single-row seromusc. suture (Rus))

DIMITRIYEV, A.S. (Ufa)

Physiological principles of time perception in man. Usp. sovr. biol.
57 no.2:245-268 Mr.-Ap '64. (MIRA 17:4)

SENDOV, B.Kh.; DIMIYEV, S.; PENKOV, B.I.

ξ -Entropy and ξ -capacity of a set of continuous curves.
Vest.Mosk.un.Ser.1: Mat.,mekh. 17 no.3:20-23 My-Je '62.
(MIRA 15:7)

1. Kafedra teorii veroyatnostey Moskovskogo universiteta,
(Curves) (Aggregate#)

DIMKOV, B.

New type of puller for ball bearings. p. 55.
(TEZHKA PROMISHLENOST. Vol. 4, No. 1, 1955)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

DIMKOV, B. (Bolgariya)

~~Universal locking-pin wrench. Stan.1 instr. 27 no.12:34 D '56.~~
(Wrenches) (MIRA 10:2)

ДИКОВ, Б.

"Some more on the changes of the Bulgarian state standard 'Drawings in Machine Construction.' "

p. 38 (Ratsionalizatsiia) Vol. 7, no. 4, Apr. 1957
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

DIMKOV, B.

"Suggestions for changing the Bulgarian state standard "Drawings in Machine Construction."

p. 47 (Ratsionalizatsiia) Vol. 7, no. 9, Sept. 1957
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

~~DIMKOV, B.~~

TECHNOLOGY

Periodical: RATSIONALIZATSIJA. Vol. 8, no. 6, June 1958.

DIMKOV, B. A new device for removing ball bearings. p. 18.

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2,
February 1959, Unclass.

DIMKOV, B., inzh. (Bolgarskaya Narodnaya Respublika)

New design of eye rings for ropes. Vest.mash. 40 no.3:28-30
Mr '60. (MIRA 15:6)

(Knots and splices)

DIMKOVIC, Dragoljub, dr., potpukovnik; JANEZIC, Olga, dr.

Fibromyoma ventriculi. Voj. san. pregl., Beogr. 11 no.5-6:203-205 May-June 54.

1. Hirurska klinika VMA, nacelnik puk, prof. dr. Isidor Papo;
institut za patologiju i sudsku medicinu, nacelnik ppuk. prof.
dr. Miroslav Bucic.

(STOMACH, neoplasms
fibromyoma)
(MYOMA
stomach)

DIMKOVIC, D.

Two cases of Mondor's disease. Acta chir. iugosl. 4 no.1:
79-83 1957.

1. Hirurska klinika Vojno-medicinske Akademije (Nacelnik puk.
prof. dr. I. Papo).

(THROMBOPHLEBITIS, case reports
Mondor's dis. (Ser))

DIMKOVIC, Dragoljub, San. potpukovnik dr.

Abdominal injuries. Voj. san prgl., Beogr. 14 no.3:113-
119 Mar 57.

1. Hirurška klinika VMA.
(ABDOMEN, wds. & inj.
(Ser))

DIMKOVIC, Dragoljub, sanitetski pukovnik doc. dr

Phlebitis and its therapy. Voj.san.pregl., Beogr. 17 no.11:1161-1164
N °60.

1. Vojnomedicinska Akademija u Beogradu, Klinika za unutrašnje bolesti
(PHLEBITIS ther.)

DIMKOVIC, D.

Perforation of an abscess of the liver into the abdominal cavity.
Acta chir.iugosl. 8(9) no.2:140-141 '61.

1. Hirurska klinika Vojno-medicinske akademije u Beogradu (Nacelnik
gen. prof. dr I. Papo)

(LIVER ABSCESS compl.)

DIMKOVIC, D.; MERMEL, S.

Tuberculosis of the digestive tract. Acta chir. Jugosl. 8 no.4:321-329 '61.

1. Hirurska klinika (Nacelnik gen. prof. dr I. Papp) i Radioloski institut (Nacelnik puk. prof. dr M. Curcic) Vojnomedicinske akademije u Beogradu.

(TUBERCULOSIS GASTROINTESTINAL case reports)

DIMKOVIC, Dragoljub, san. pukovnik u rezervi prof. dr.

Methodological aspects of war surgery. Vojnosanit. pregl. 20
no.8:511-516 Ag '63.

(SURGERY, OPERATIVE) (MILITARY MEDICINE)
(WAR)

S

DIMKOVIC, D.

Injuries of the cardiac auricle. Acta chir. Jugosl. 10 no.3:
229-234 '63.

1. Hirursko odjeljenje Glavna pokrajinske bolnice u Novom
Sadu (Sef. prof. dr. D.Dimkovic).

S

DIMKOVIC, Dragoljub

Corrosive strictures of the esophagus and stomach. Med. prghi.
17 no.10:531-535 '64.

1. Klinika za hirurške bolesti Kliničke bolnice u Plovanju
(Nacelnik: Prof. dr. Dragoljub Dimkovic).

DIMKOVIC, Dragoljub, prof. dr.

Surgical treatment of peripheral venous diseases. Med. glas. 18
no.1:13-16 Ja-F '64

1. Hirursko odeljenje Glavne pokraninske bolnice u Novom Sadu
(Sef: prof. dr. D.Dimkovic).

DIMKOVIC, Dragoljub; ROGULJA, Pavle

Primary double cancer of the colon. Srpski arh. celok. lek. 93
no.3s293-299 Mr ' 65.

1. Hirursko odeljenje Glavne pokrajinske bolnice u Novom Sadu
(Nacelnik: prof. dr. Dragoljub Dimkovic); Odeljenje za pato-
logiju Glavne pokrajinske bolnice u Novom Sadu (Nacelnik: doc.
dr. Vladimir Plavec).

DIMKOVIC, Ruzica, mr.; BINENFELD, Zlatko, sanit. potpuk. dr.

Pyridine-2-aldoxime methylchloride (PAM-2 Cl). Vojnosanit.
pregl. 20 no.12:758-759 D'63

1. Vojnomedicinska akademija u Beogradu, apoteka, odeljenje
za kontrolu lekova.

*

DIMNIK, R.

RADONIC, M.; DIMNIK, R.

A case of non-fatal potassium cyanide poisoning. Arh.big.rada
6 no.2:143-150 1955.

1. Interna klinika Medicinskog fakulteta, Zagreb)
(CYANIDES, pois.
potassium cyanide pois.,tox.,diag. & ther. (Ser))
(POISONING,
potassium cyanide, tox.,diag. & ther.(Ser))

DING, F. N.

Soils - Kutuluk Valley

Basic thermal properties of certain soils of Kutuluk terraces. Trudy Pochv. inst.
No. 37, 1952.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

ДИМОВ, Ив., инж.

Surface microgeometry of castings made in metal molds under counterpressure. Mashinostroene 12 no.8:24-27 Ag '63.

1. Bulgarska akademiia na naukite.

DIMO, P.

Determination of the moment and place for necessary grounding through evaluation of "prolonged" supertensions: use of the choke coil. p. 76

Vol. 2, no. 2, Feb. 1954
ENERGETICA
Bucuresti

Source: East European Accessions List (EEAL), IC, Vol. 5, no. 2
Feb. 1956

DINC, P.

DINC, P. New means of determination of the stability of power systems; single equivalent consumer. p. 121.

Vol. 5, No. 1/2, Jan./June 1955.
STUDII SI CERCETARI LE ENERGETICA
TECHNOLOGY
Eucaresti, Romania

No: East European Accession, Vol. 5, No. 5, May 1956

DIMO, P.

DIMO, P. Results of experiments for verification of the study of "prolonged
supertensions" in an electric network with an insulated neutral. p. 228

Vol. 5, No. 1/2, Jan./June 1955
STUDII SI CERCETARI DE ENERGETICA
Bucuresti, Rumania

So: East European Accession, Vol. 5, No. 5, May 1956

DIMO, P., AND OTHERS.

Experimental verifications and precisions in the problems of prolonged supertension, established in high-tension electric networks with an insulated neutral core. p. 435. STUDII SI CERCETARI DE ENERGETICA. Bucuresti. Vol. 5, no. 3/4, July/Dec. 1955.

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 5, No. 11, November, 1956.

DIMO, P.

Self-excitation of alternators, cause of overtension in high-tension works with isolated neutral. In French. p. 89.
(REVUE D' ELECTROTECHNIQUE ET D'ENERGETIQUE. RUMANIA. Vol. 1, no. 1, 1956.)

SO: Monthly List of East European Accessions (KEAL) IC, Vol. 6, no. 7, July 1957. Uncl.

DIMO, P.

DIMO, P. Representation of a synchronous machine by its short-circuit currents.
p. 471

Vol. 4, no. 10, Oct. 1956
ENERGETICA
TECHNOLOGY
ROMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

Dimo, P.

TECHNOLOGY

Periodical STUDII SI CERCETARI DE ENERGETICA Vol. 8, No. 3, 1958

Dimo, P.,; Separation of nodes by utilizing short-circuit currents, a general method for the analysis of electric-power systems. Pt.1. Graphic analyzer. p. 451.
M. W. Conference on the Agriculture and Rural Electrification in Rumania. p. 477.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 5, 3
~~May~~ 1959, Unclass.
March

DIMO, P.

Separation of nodes by utilizing shortcircuit currents, a general method for the analysis of electric-power systems. Pt. 2. Static stability, and adjustment. p. 287.

STUDII SI CERCETARI DE ENERGETICA
Bucuresti, Rumania
Vol. 9, no. 2, 1959.

Monthly list of European Accession Index (EEAI) LC Vol. 8, No. 11
November 1959
Uncl.

DIMO, Paul

Separation of junctions by use of short-circuit currents, unitary method for the analysis of electrical power systems. Pt.2. Static stability and regulation. Rev electrotechn energet 4 no.2:259-274 '59. (EEAI 10:1)

(Electric power) (Short circuits)

DIMO, Paul

Nodal analysis utilizing the short-circuit currents in complex networks. Energetica Rum 8 no.8:349-359 Ag '60.

DIMO, P. (Rumynskaya Narodnaya Respublika)

Use of a nodal method with short-circuit current phasors for
graphical analysis of the operation of electric power systems.
Elektrichestvo no.8:40-45 Ag '62. (MIRA 15:7)
(Electric networks)
(Electric power distribution)

~~DIMO, Paul, ing.~~

The "nodal analysis" combined with digital computers for the study of the complex electric-power systems. Energetica Rum 10 no.1:10-22 Ja '62.

1. Membru al Comitetului de redactie, "Energetica."

DIMO, Paul (Bucuresti)

Images of nodal analysis as a unitary and general reasoning means in the study of electropower systems. Energetica Rum 10 no.4:139-147 Ap '62.

1. Inginer specialist la Institutul de studii si proiectari energetice.

39356

R/006/62/010/006/001/002
D015/D105

9,3260

AUTHOR:

Dimo, Paul, Engineer, (Bucharest)

TITLE:

The Loss Formula and "optimizing circuit diagrams and systems" by a new method. Application of "nodal analysis" with descriptive figures

PERIODICAL:

Energetica, v. 10, no. 6, 1962, 219 - 242

TEXT: The author deals with the problem of the loss formula and with optimizing circuit diagrams and systems by using identical star arrangements. In an electric network, loss research can be simplified by considering the entire load as concentrated in a single node. The calculation is based on nodal analysis in which the nodes are illustrated by schematic arrangements of short-circuit currents known as "REI" i.e. Radial, Equivalent, Independent. This calculation includes the computation of REI-system admittances, the REI arrangement of single equal loads, the determination of local loss within radial branches of basic REI-arrangements, and the determination of constant coefficients indicated by B and of losses within other REI-arrangements. The first variant refers to

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simplified computation of local loss in proportion to power. The computation of local loss in proportion to the product of powers in loop circuit systems is explained by an example. The loss formula obtained by approximation in accordance with the first variant was used to establish the loop circuit system based on the Hockman-Toalston-Marker method. The theoretical limits within which the first variant can be applied are determined by graphic analysis. In case of voltage control the first variant can be applied to optimized systems in which the variation laws, similar to the relation

$$\frac{Q}{P} = \frac{R}{X}$$

where Q is the ratio of the reactance of an inductance coil to its resistance; P, power; R, resistance; and X, reactance admittances in a node; can be developed within the nodes. This variant can also apply to systems in which the voltage angles do not exceed 15°, and particularly to systems with node currents and high short-circuit currents. The second variant which refers to an accurate determination of approximations will be developed in a separate study but the

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principles of loss variation laws as worked out by reasoning are given in the present article. The determination of the descriptive system and condition characteristics and the selection of calculation variants are discussed. New possibilities of optimizing power-system circuit diagrams and conditions which refer to loss decrease by vector collineation and control improvement, and to an optimum distribution of active and reactive power between stations are also given. The four appendices deal with network reduction procedures for obtaining "nodal" equations; with a new computation method based on the deduction from REI-arrangements and figures necessary for reasoning in connection with B coefficients within the first variant; node "figures", including the characteristic elements of loss problems; and to the second variant including local loss variation laws established by figure reasoning. There are 19 figures and 1 table. The most important English-language reference given in Rumanian is: D.R. Hockman, A.L. Toalston and D.C. Harker: Loss formula by a new method of determining a point of the equivalent load, Power Apparatus and Systems (AIEE), Feb 1961, 1090-1101.

ASSOCIATION: I.S.P.E.

Card 3/3

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Optimization of test conditions for the determination of the
parameters of a network. Energetica Rum 11 no.3:117-129 Mr '63.

DIMO, P.; MCRAITE, G., ing.; HUCKERT, S., ing.

Correct calculation of short circuit currents with simultaneous determination of the REI diagrams, nodal images, and transfer admittances. Energetica Rum 11 no.9:476-481 S '63.

1. Membru corespondent al Academiei R.P.R. (for Dimo).

DIMO, Paul

A single physical type structure for the study of networks.
Rev electrotechm energet 9 no.1:19-33 '64

1. Corresponding Member of the Rumanian Academy.

DIMO, Paul

Solutions of the REI equivalents of the whole network. Rev
electrotechn energet 9 no. 2:177-199 '64.

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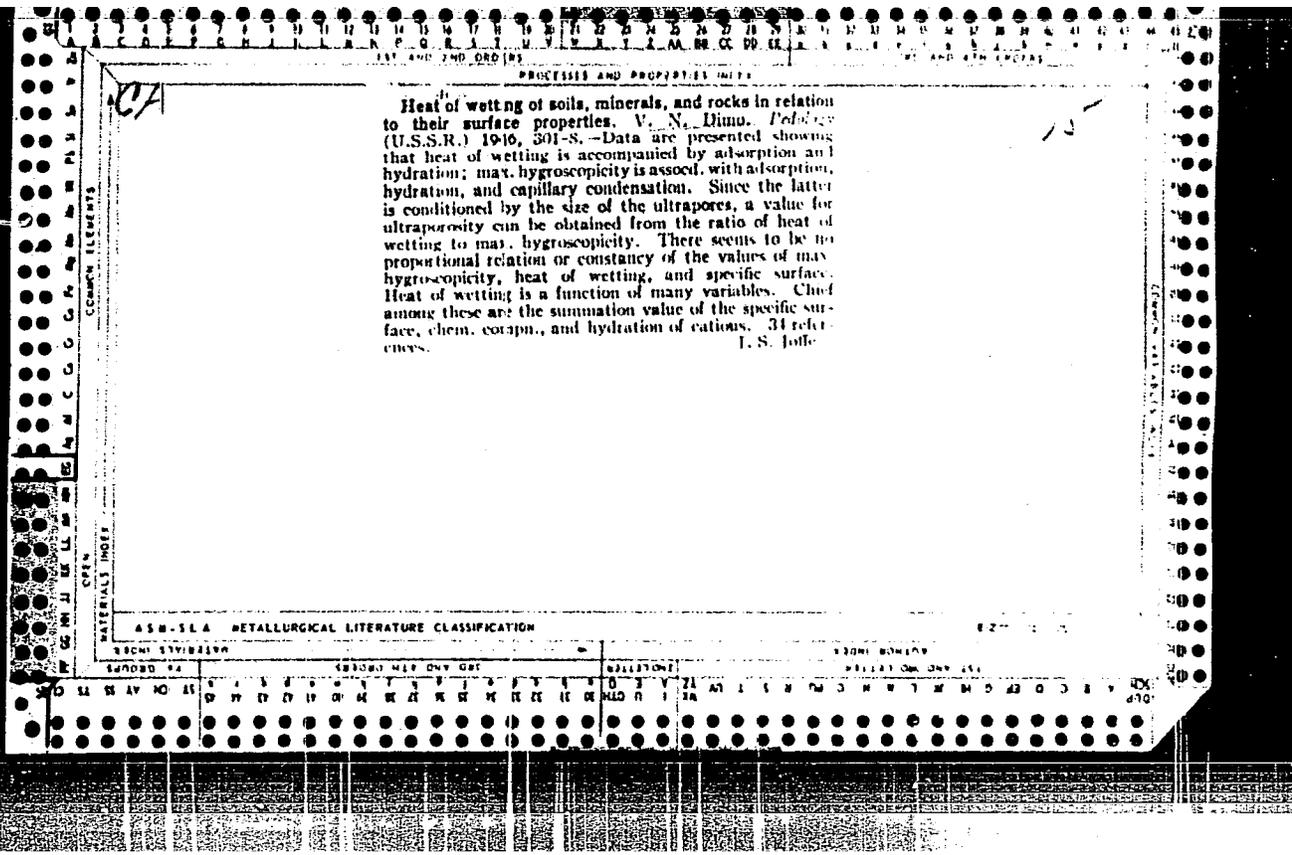
DIMO, Paul; MORAITTE, George

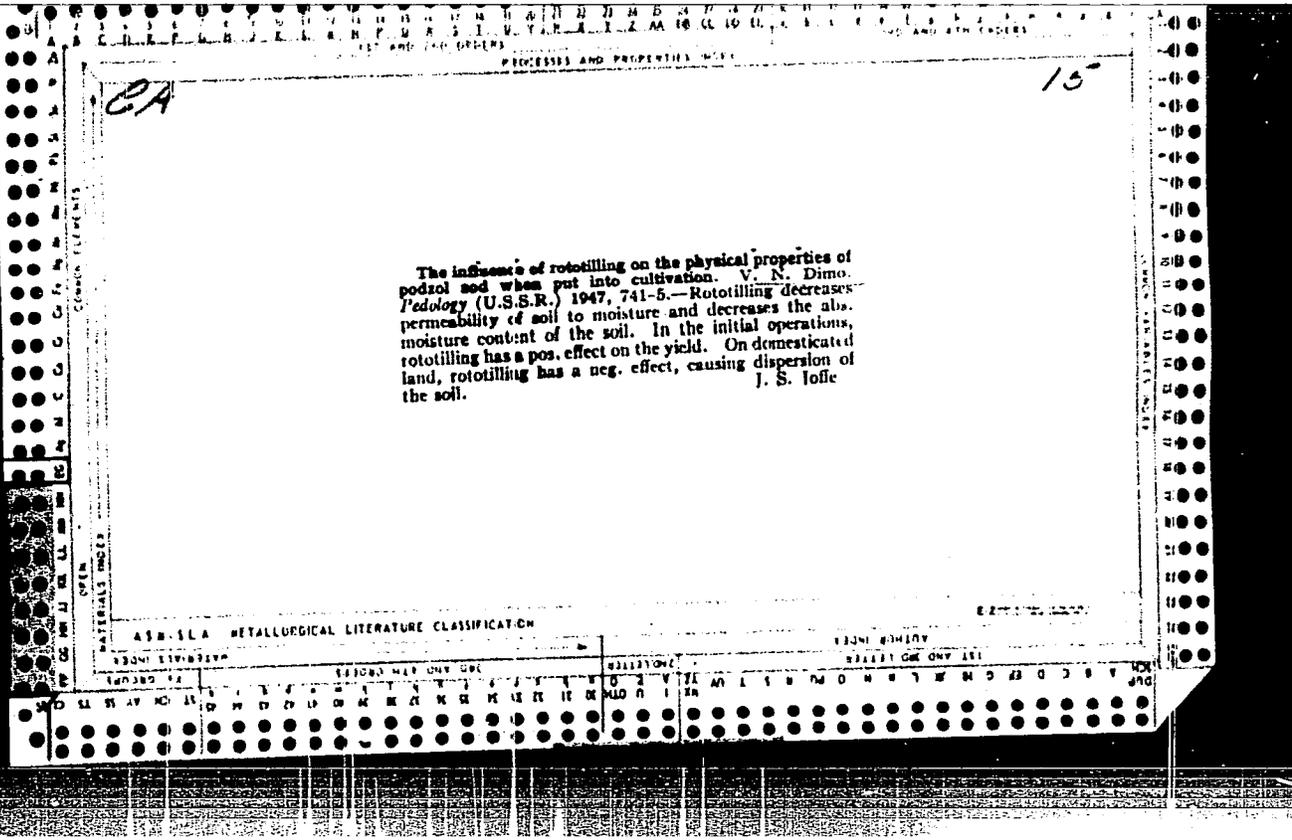
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Equivalent schemes. Pt. 1. Rev electrotechn energet 9 no.3:295-321
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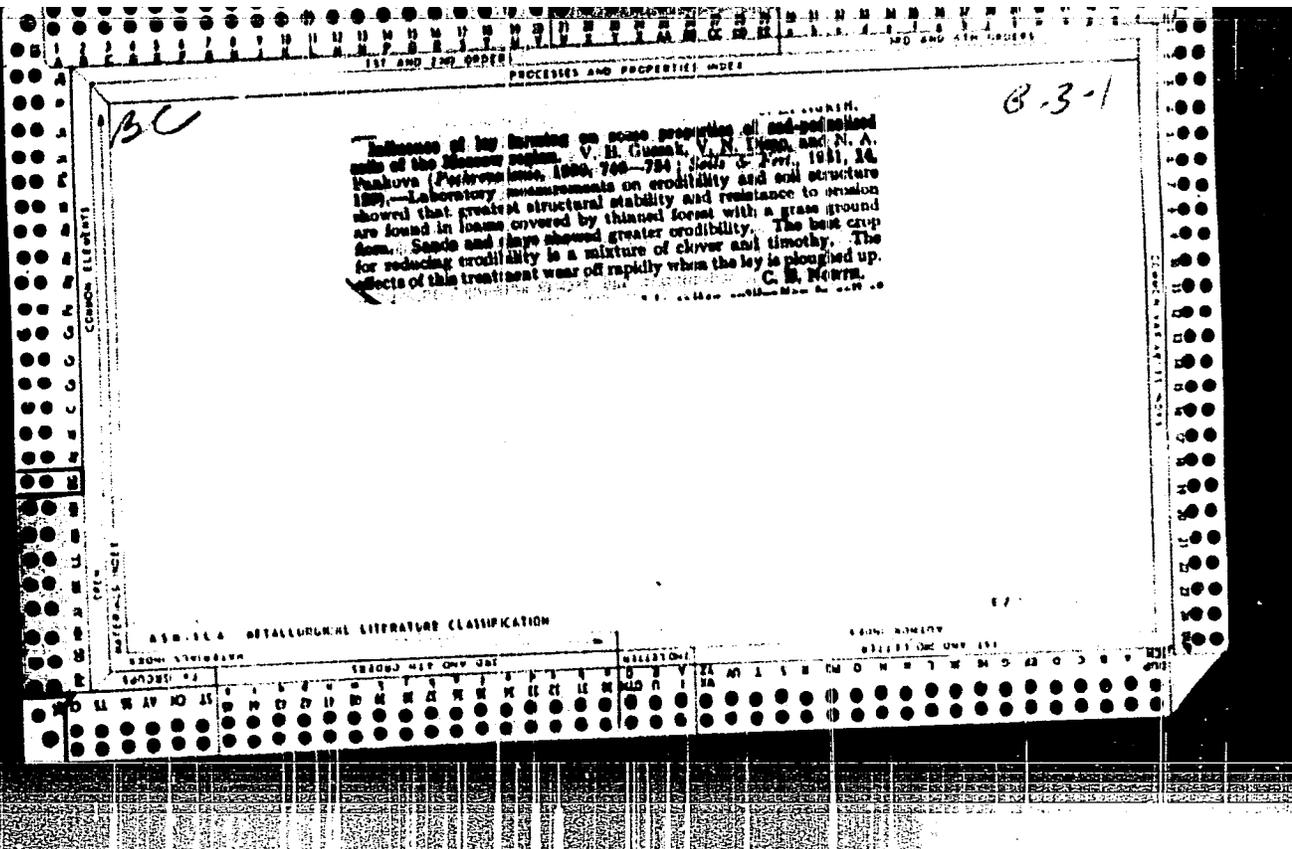
Dimo. V. H. "The physical properties and water balance of irrigated sierozems of the Hungry Steppe", Trudy Pochv. in-ta im. Dokuchayeva, Vol. XXIX, 1948, p. 201-22, - Bibliog: 7 items.

SO: U-2880, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

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24998. DIMO, V. N. and L'VOV, A. S. Kharakteristike Fizicheskikh I Mekhaniko - Tekhnologicheskikh Svoystv Lesostepnykh Pochv. Trudy Yubileynoy Sessii, Posvyashch. Stoletiyu So Daya Rozhdeniya Dokuchaeva. M.-L., 1949, S. 371-78.

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USSR/Soil Science - General Problems.

J-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20022

Author : Dimo, V.N.

Inst : -

Title : Scientific Research in Soil Physics in the German Democratic Republic.

Orig Pub : Pochvovedeniye, 1957, No 6, 116-118

Abstract : No abstract.

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Work of the Soil Physics Section of the First Conference of
Delegates of the All-Union Society of Soil Scientists.
Pochvovedenie no.5:100-104 My '59. (MIRA 12:8)
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no.6:26-34 Je '63. (MIRA 16:7)

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MEMO. V-N.

Formation of the humus-illuvial horizon in soils on permafrost rocks.
Izvovedeniya no.9:1-10 S '65. (MIRA 18:10)

I. Pechvennyy institut imeni Dokuchayeva.

CIURES, A.J., ing.; DIMOFTACHE, C., dr.

Microspectrophotometry in visible and ultraviolet light as a means of investigation in cellular biophysics. Med. intern. (Bucur.) 16 no.8:999-1006 Ag '64.

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USTIEV, E.K. [Ustiyev, Ye.K.]; DIMOFTE, C., asistent [abstracter] (Bucuresti)

Frants IUL'evich Loewinson-Lessing and some fundamental problems of modern petrography; on the occasion of the hundredth anniversary of the birth of the scientist, 1861-1961. Natura Geografie 13 no.4:3-8 J1-Ag '61.

DIMOFTE, C.; MARES, I.

Some experimental data on certain hydrogeochemical prospectings of sulfide layers. Analele geol geogr 16 no.3:11-22 JI-Ag '62.

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BAICOIANU, C., Prof. Dr. docent in Sciences, Institute of Agronomy "N. Balcescu"; and DIMOFIACHE, C., Dr., Biophysical Laboratory, Institute of Medicine and Pharmacy, Bucharest

"Microspectrophotometric Determination of the Quantity of Feulgen-Positive Materials (DNA) in the Spermatozoa of Stored Ram Semen"

Bucharest, Revista De Zootehnie si Medicina Veterinara, Vol 16, No. 7
June 1966; pp 44-49

Abstract: Study on ovine semen 0, 1, and 5 days after harvesting: spectrophotometry showing Feulgen-positive DNA materials and length of spermatozoal head which all decrease after 5 days of storage; this change can be very well correlated with decreased fertility of the stored semen when used in artificial insemination procedures. 3 tables, graph, 3 Rumanian and 11 Western references.

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Hydrogeochemical prospecting. St. al. Teh. Buc. 14 no.3:13 Mr '62

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Prognosis in geology. St si Teh Buc 16 no. 1: 10-11
Ja '64.

1. Universitatea Bucuresti.

DEMIREV, A.; DIMOV, G.; ILIEVA, L.

Role of certain geologic petrographic factors in the formation
of the physicommechanical properties of marl in the basin of the
rivers Rositsa and Vidima. Izv Geol inst BAN 10:235-265
'62.

VUCHEV, V.; DIMOV, G.

Petroleum and gas-bearing prospects of the Beshovishka anticline.
Trudove vvrkhu geol strat 5:197-210 '63.

TURCU, Gr.; DIMOFTACHE, G.; WEXLER, P.; VASILESCU, V.

Cytochemical and cytospectrophotometric study on white rats irradiated internally with ^{32}P . Studii cerc biochimie 7 no.1: 109-115 '64.

1. Department of Biophysics, Institute of Medicine and Pharmacy, Bucharest.

RUMANIA/Organic Chemistry. Synthetic Organic Chemistry G

Abs Jour: Ref Zhur - Khim., No. 4, 1959, 11791

Author: : Frehden O., Arsene A., Dimofte L.

Inst : Not given.

Title : Concerning the Preparation of Sulphoguanidine.

Orig Pub: Rev. chim., 1958, 9, No. 5, 264-267

Abstract: A method had been worked out for the preparation of 4-NH₂C₆H₄SO₂NHC(-NH)NH₂ (I) by melting (2 hours, 185°) CaCN₂ with NH₄NO₃ (ratio, 1:7.9) with a subsequent dissolving of the melt in water at 47°; to the produced NH₂C(=NH)NH₂·HNO₃ (II) (yield of the impure II, about 75%; the melting point, 185-214°), in the medium of water+acetone, 4-CH₃CONHC₆H₄SO₂Cl is added in parts in the ratio of 1:1.6 at 25-35° with a pH of about 10 (45% NaOH is added); the obtained

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RUMANIA/Organic Chemistry. Synthetic Organic Chemistry G

Abs Jour: Ref Zhur - Khim., No. 4, 1959, 11791

4-CH₃CONHC₆H₄SO₂NHC(=NH)NH₂ (III) (yield, greater than 70%; melting point, 240-245°) is hydrolyzed by heating for 1.5 hours at 80° with 2% HCl in a molecular proportion, III: HCl=1:1.4; NaOH is added to the pH of 7 at 45°, and I is obtained; yield, 65-75%
[recrystallized from water (1:20)]_/. --
V. Skorodumov

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